

CLAIMS:

1. A rotor comprising:

a rotor winding having a plurality of sectors positioned next to each other in a circumferential direction, in each of which sectors a plurality of conductor bars extending parallel to a longitudinal rotor axis are stacked on top of each other in a radial direction, whereby each of the sectors is provided with an axial ventilation channel and a plurality of radial ventilation openings communicating with said axial ventilation channel, whereby the ventilation channel is positioned in relation to the conductor bars radially inside and extends parallel to the longitudinal rotor axis, and whereby the ventilation openings are spaced apart from each other in axial direction and extend through the conductor bars in radial direction, characterized in that all ventilation openings in the conductor bars are formed by circular holes having the same diameter, said circular holes being positioned on the stacked conductor bars in all sectors provided with air holes so as to be radially aligned with each other.

2. The rotor as claimed in Claim 1, wherein the ventilation openings are positioned so that the axial spaces between adjoining ventilation openings along the rotor increase from axially outside to axially inside.

3. A method for producing a rotor as claimed in Claim 1, wherein, for the formation of the ventilation openings, circular holes positioned so that the holes are radially aligned when the conductor bars are stacked on each other and in this way form the ventilation openings are made into the corresponding conductor bars.

4. A device for performing the method as claimed in Claim 3, wherein a holding device is provided that fixes the conductor bar to be processed, and that a drilling device is provided that automatically produces holes at the sites intended for the ventilation openings.